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# Inspection of Completed Works Levees

Daphlyn Koester  
ICW Program Manager



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# Agenda



- What is the ICW Levee Program?
- Why does the Corps inspect levees?
- Levee Inspections
- Benefits of a Good Maintenance Program



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# ICW Program



- Part of the Levee Safety Program
- Serves as an important and vital function in ensuring the safety and continuing structural integrity and operational adequacy of its major Civil Works projects



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# Levee Inspections



- Ensure that the safety and continued structural integrity and operational adequacy of the District's flood damage reduction systems
- To assist Local Sponsors with technical issues and to identify minor maintenance issues the Local Sponsor should address to ensure structures are capable of providing protection
- To identify major maintenance items



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# Levee Inspections



- Annual Compliance
  - Geotechnical Engineer conducts inspection
  - Visual inspection
  - Ensure Local Sponsors are in compliance with assurances for operation and maintenance of levees



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# Levee Inspections

- Vegetation
  - Mowing
  - Trees/bushes in the levee
  - Buffer zone
  - Bank Protection
  - Encroachments
- Sod Cover
- Slope
  - Slides
  - Degraded levee
- Animal Control
- Roadway
  - Rutting
  - Gravel
  - Graded/bladed
- Pipes through levee



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Vegetation growing in the slope of the levee.

Roadway surface needs  
gravel

3. 1. 2000



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**Unwanted vegetation growing  
in the slope along a fence  
crossing**



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**Encroachment on the levee. Two metal posts have  
been driven into the slope.**



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# Benefits of Good Maintenance



- Easier to maintain the levee
- Able to identify major problems sooner
- Easier to inspect
- Easier to floodfight
- FEMA accreditation



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# FY 08 Inspection Schedule



## Caruthersville Area Office

### Scheduled Inspection

Jan 22  
Jan 25  
Jan 29

Feb 05  
Feb 05  
Feb 05  
Feb 20  
Feb 26

Mar 11  
Mar 13  
Mar 18  
Mar 20

Apr 01  
Apr 15  
Apr 17  
Apr 22

May 06  
May 08  
May 20

Jun 03

Jun 10  
Jun 12  
Jun 17

### Local Sponsor

LD #3 of Mississippi Co., MO  
St. John's L&D, MO  
St Francis LD of MO

Little River DD, MO  
City of Mound City, IL  
LD #2 of Scott Co., MO  
City of Mounds, IL  
Madrid Bend Lake Co., TN  
Madrid Bend Fulton Co., KY  
Reelfoot LD Lake&Obion Co., TN

Lake Co. LD, TN  
Dyer County L&DD #1, TN  
City of Dyersburg, TN  
Cairo DD, IL

US Fish & Wildlife Service, AR  
LD #7 of Dunklin Co., MO  
St. Francis of Clay & Greene Co.s, AR  
Mud Slough DD #1, AR  
Eight Mile DD #5 of Greene Co., AR

DD #17 of Mississippi Co., AR  
Elk Chute DD, MO  
City of Cairo, IL

City of Hickman, KY  
Board Of Levee Commissioners of Fulton Co., KY  
DD #48 of Dunklin Co., MO  
LD #4 of Dunklin Co., MO  
Consolidated DD #2 of Dunklin Co., MO

### Local Sponsor POC

David Brewer  
William LaValle  
Stephen Watkins

Sam Hunter  
Sam Johnson  
Larry Brazel  
Waymon Butler  
Macie Roberson  
Winston Whitson  
Macie Roberson

Macie Roberson  
Richard Hill  
John Holden  
Donald Johnson

Jeremy Bennett  
Don Collins  
Pete Black  
Royce Boling  
Ronald Pigue

Clarence Crosskno  
Charles Earnest  
Justin Childs

Richard White  
Doug Goodman  
Don Collins  
Charles Parker  
Roger Glueck



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# FY 08 Inspection Schedule

## Wynne Area Office Scheduled Inspection

Feb 27  
Feb 28  
Feb 28

Mar 06  
Mar 26  
Mar 26

Apr 03

May 15  
May 15  
May 22  
May 29

Jun 05  
Jun 18  
Jun 20  
Jun 22

Jul 08  
Jul 23  
Jul 24  
Jul 24

Aug 14  
Aug 28  
Aug 28

## Local Sponsor

Memphis-Shelby County Port Commission  
Levee District No. 2 of DeValls Bluff, AR  
City of Des Arc, Arkansas

Laconia LD of Phillips Co., Arkansas  
Laconia Circle Special DD of Desha CO., AR  
Laconia LD #1 of Desha Co., Arkansas

DD #16 of Mississippi Co., Arkansas

Helena Improvement District, Arkansas  
Cotton Belt LD #1, Arkansas  
White River DD of Phillips & Desha Co.s, Arkansas  
White River LD of Woodruff, Monroe & Prairie Co.s, AR

Yazoo-Mississippi Delta Levee Board  
St. Francis LD of AR (MRL)  
St. Francis LD of AR (SFB)  
Arkansas Game & Fish Commission

City of Memphis, TN  
DD No. 7 of Pointsett Co., Arkansas  
Buffalo Island DD No. 9, Arkansas  
DD #29 Bay & St. Francis, Craighead Co., AR

Clarendon Levee District of Arkansas  
Naval Support Activity (NSA), Millington, TN  
City of Millington, TN

## Local Sponsor POC

Brent Sutton  
Freddie Rogers  
Jerry James

James Lawrence  
L.K. Holt  
L.K. Holt

Don Lasater

Jim Frazier  
Jim Frazier  
Jim Frazier  
T.W. Vincent

Kelly Greenwood  
Rob Rash  
Rob Rash  
Terrence Teal

Tommy North  
Wayne Hinds  
Danny Finch  
John Sloan

Johnny Ellis  
Rodger Aitken  
Jeff Waits



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